

Title (en)
RAPID CYCLE ANNULUS PRESSURE RESPONSIVE TESTER VALVE

Publication
EP 0246024 B1 19920401 (EN)

Application
EP 87304049 A 19870506

Priority
US 86416386 A 19860516

Abstract (en)
[origin: EP0246024A2] A rapid cycle annulus pressure responsive tester valve comprises a valve ball rotatable between open and closed positions through an operating mechanism which includes a ball (230) and slot (228) ratchet mechanism for selectively transmitting operating movement from a pressure responsive slidable valve housing (234) through a mandrel assembly (222). The valve housing employs back to back check valves (240, 244) disposed in a longitudinal valve passage (238) to create pressure differentials to move the valve housing in response to annulus pressure increases and decreases.

IPC 1-7
E21B 34/10; **E21B 49/08**

IPC 8 full level
E21B 23/00 (2006.01); **E21B 34/10** (2006.01); **E21B 49/00** (2006.01); **E21B 34/00** (2006.01)

CPC (source: EP US)
E21B 23/006 (2013.01 - EP US); **E21B 34/102** (2013.01 - EP US); **E21B 49/001** (2013.01 - EP US); **E21B 2200/04** (2020.05 - EP US)

Cited by
EP0399890A1; GB2231069A; GB2231069B

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
EP 0246024 A2 19871119; **EP 0246024 A3 19890628**; **EP 0246024 B1 19920401**; CA 1271956 A 19900724; DE 3777874 D1 19920507; ES 2029834 T3 19921001; SG 67392 G 19920904; US 4736798 A 19880412

DOCDB simple family (application)
EP 87304049 A 19870506; CA 536517 A 19870506; DE 3777874 T 19870506; ES 87304049 T 19870506; SG 67392 A 19920702; US 86416386 A 19860516